

CLAIMS

1. A method of allocating data transmission resources in a packet-switched telecommunications system including a terminal and a fixed network to which an operational entity is defined for defining resources for a radio bearer, the method comprising steps of

defining a compression method of header fields in data packets used on the radio bearer, and

defining the radio bearer resources for the terminal on the basis of an application used by the terminal on said radio bearer in such a manner that said resources also comprise the capacity required by the selected compression method of header fields in data packets.

2. A method as claimed in claim 1, further comprising a step of transmitting the compression methods of header fields in data packets, which are supported by the terminal, to the operational entity in the fixed network for defining the compression method to be used.

3. A method as claimed in claim 1, further comprising a step of defining capacity in two directions for said radio bearer in response to the selected compression method of header fields in data packets requiring a bi-directional connection.

4. A method as claimed in claim 1, wherein the packet-switched telecommunications system is a UMTS system and the operational entity for defining resources for the radio bearer comprises a radio resource control protocol and a radio resource management system.

5. A method as claimed in claim 4, wherein the resources of said radio bearer are defined in the radio resource management system.

6. A method as claimed in claim 5, wherein the defined radio bearer resources are transmitted to the radio resource control protocol which allocates the radio resources of the radio bearer.

7. A method as claimed in any one of claims 4 to 6, wherein the compression methods of header fields in data packets, which are supported by a convergence protocol of the terminal, are transmitted to a radio network controller for defining the compression method to be used.

8. A packet-switched telecommunications system including a terminal and a fixed network which comprises an operational entity for defining resources for a radio bearer, in which system

5 the compression method of header fields in data packets used on the radio bearer is configured to be defined, and

the resources of the radio bearer are configured to be defined on the basis of an application used by the terminal on said radio bearer in such a manner that said resources also comprise the capacity required by the selected compression method of header fields in data packets.

10 9. A telecommunications system as claimed in claim 8, wherein

the compression methods of header fields in data packets, which are supported by the terminal, are configured to be transmitted to the operational entity in the fixed network for defining the compression method to be used.

15 10. A telecommunications method as claimed in claim 8 or 9, wherein

the packet-switched telecommunications system is a UMTS system and the operational entity for defining resources for the radio bearer comprises a radio resource control protocol and a radio resource management system.